ACKNOWLEDGEMENTS

I express a profound sense of gratitude to my guide, Dr. S.R. Ambika, Professor, Department of Botany, Bangalore University, for her proficient, versatile and adroit guidance. I am highly indebted for her consistent support and constant encouragement extended to me throughout the course of this study.

I sincerely thank Professor D.H. Thejavathi, Chairperson, Department of Botany, Bangalore University, for providing the necessary laboratory facilities.

I offer my sincere thanks to all the teaching and non teaching staff of Department of Botany, Bangalore University, for their encouragement and cooperation.

My sincere thanks to Dr. P. Rajalakshmi, Professor, Department of Statistics, Bangalore University, Bangalore for her valuable advise and timely help for the statistical analysis and Ms. Sudharshini for analysing the data.

I also extend my heartfelt thanks to Prof. P. C. Shreedharan for his valuable suggestions.

I also thank National Centre for Scientific Information, IISC Campus, Bangalore and University of Agricultural Sciences (GKV), Bangalore for providing the CD-Rom facility for literature survey.

I am grateful to INDIA METEOROLOGICAL DEPARTMENT, Bangalore for providing me the weather data.
I am highly indebted to Rangaswamy, Forest Department, Gandhibhavan Nursery, Jnanabharathi, Bangalore and Babu and Prasad for helping in maintaining my plants.

I sincerely thank Dr. P.E. Rajashekaran, Senior Scientist, Division of Plant genetic resource, Indian Institute of Horticulture Research, Bangalore, for his valuable advise, timely help, constant encouragement and support rendered, throughout my research.

I am grateful to P.E. Rajashekaran, Dr. R. Prakash Kumar, and Dr. Pradeep Kumar, Kerala State council for science technology and environment and Tropical Botanical Garden and Research Institute Palode, Thiruvananthapuram, Kerala, for their help.

I thank Mr. Subramanyam, photographer, Basavanagudi, for helping me in photographing all my research photographs, throughout my studies.

I thank my labmates Mrs. K. Prathibha, Mrs. Geeja Kurian, Ms. Smitha.G, Mr. Ananda Raju and Lab Assistant Mr. Govind and Mr. Nagaraj, for their support and help rendered during the course of my research work.

My special thanks to Sri. Sridhar and Sri. Subhash, Typists for their timely help in typing my thesis.

Finally I express a profound sense of gratitude to my beloved Uncle, Aunt and my parents, brothers for their support, help and encouragement without whose help I would have been unable to complete my studies successfully.

S. Poornima